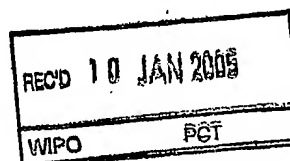


## PATENT COOPERATION TREATY

## PCT



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 13979-1PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US03/28749	International filing date (day/month/year) 11 September 2003 (11.09.2003)	Priority date (day/month/year) 12 September 2002 (12.09.2002)
International Patent Classification (IPC) or national classification and IPC IPC(7): G01N 37/00; G01D 21/00; G01L 25/00 and US Cl.: 702/81,84,85,105; 700/83		
Applicant SOUTHERN CALIFORNIA EDISON COMPANY		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the

PCT).

These annexes consist of a total of      sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of report with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 07 April 2004 (07.04.2004)	Date of completion of this report 27 October 2004 (27.10.2004)
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230	Authorized officer John Barlow <i>Shawn S. Hopper</i> Telephone No. (703) 308-1782

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US03/28749

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☒ the international application as originally filed.
- ☒ the description:  
pages 1-99 as originally filed  
pages NONE, filed with the demand  
pages NONE, filed with the letter of \_\_\_\_\_.
- ☒ the claims:  
pages 100-102 as originally filed  
pages NONE, as amended (together with any statement) under Article 19  
pages NONE, filed with the demand  
pages NONE, filed with the letter of \_\_\_\_\_.
- ☒ the drawings:  
pages 1-40 as originally filed  
pages NONE, filed with the demand  
pages NONE, filed with the letter of \_\_\_\_\_.
- ☐ the sequence listing part of the description:  
pages NONE as originally filed  
pages NONE, filed with the demand  
pages NONE, filed with the letter of \_\_\_\_\_.

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages NONE
- ☐ the claims, Nos. NONE
- ☐ the drawings, sheets/fig NONE

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/US03/28749**V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims <u>1-17</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>1-17</u>	YES
	Claims <u>NONE</u>	NO
Industrial Applicability (IA)	Claims <u>1-17</u>	YES
	Claims <u>NONE</u>	NO

**2. CITATIONS AND EXPLANATIONS**

Claims 1-3 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest configuring a user interface in communication with a calibration process management software system; configuring a communications link in communication with the software system, the software system capable of communicating with the calibration testing unit and the plurality of units under test; and wherein the software system manages the user interface and the communications link in a manner permitting an operator to calibrate the plurality of units under test.

Claims 4 and 5 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest configuring a user interface in communication with a calibration process management software system; configuring a communications link in communication with the software system, the software system capable of communicating with the calibration testing unit and the unit under test; assigning a permanent unique identifier when an object is created, and a dynamic unique identifier any time the object is modified; wherein the software system manages the user interface and the communications link in a manner permitting an operator to calibrate the unit under test.

Claims 6-8 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a first computer readable medium for storing one or more first data objects representing calibration data from the one or more than one UUT; a second computer readable medium for storing a first globally unique identifier in an association relationship to one of the one or more first data objects; a third computer readable medium for storing one or more second data objects representing a reference standard for the UUT equipment class; a fourth computer readable medium for storing a second globally unique identifier in an association relationship to one of the one or more second data objects; a calibration management control program embodied on a fifth computer-readable medium for calibration of the one or more than one UUT, the calibration management control program in communication with the first data objects, second data objects, first globally unique identifier and second globally unique identifier, and an application program interface embodied on a sixth computer-readable medium for execution on a computer in conjunction with the calibration management control program.

Claims 9-17 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest receiving a first identification attribute associated with a UUT; receiving a second identification attribute associated with a reference measuring unit; receiving a specific calibration function to be tested; maintaining in a first memory a reference database of one or more than one second identification attribute in holding relationship to one or more than one reference identification address, each reference identification address being associated with a single calibration function; looking up in the reference database, the reference identification address being held by the second identification attribute, and associated with the specific calibration function; selecting a unique record identification address; receiving a value as found for the specific calibration function for the UUT; storing in a second memory the value as found in a being-held relationship to the record identification address; and storing in a third memory the record identification address in a being-held relationship to the reference identification address.

Claims 1-17 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.